IN THE CLAIMS:

1   1.   (Currently Amended) A download system including (a) a receiving apparatus for

2   receiving and executing a program and (b) a transmitting apparatus for transmitting the program

3   to the receiving apparatus,

4   the receiving apparatus comprising:

5   information generating means for generating receiving apparatus information that

6   indicates a use state of resources held by the receiving apparatus that are necessary for program

7   executions, the use state indicating a current status of each resource being used and each resource

8   not being used;

9   request transmitting means for transmitting to the transmitting apparatus a

10   download request which contains (a) an identification of a download-target program and (b) the

11   generated receiving apparatus information; and

12   program receiving means for receiving a program that is sent from the

13   transmitting apparatus in response to the download request, and

14   the transmitting apparatus comprising:

15   program holding means for holding one or more programs and identifications

16   thereof;

17   resource information holding means for holding one or more pieces of resource

18   information which correspond to the one or more programs on a one-to-one basis and each

19   indicate resources necessary for an execution of a corresponding program;

20   request receiving means for receiving the download request from the receiving

21   apparatus;

22   judging means for judging, from (a) a piece of resource information

23   corresponding to one of the one or more programs with the identification contained in the

24   download request and (b) the receiving apparatus information contained in the download request,

25   whether the receiving apparatus can execute the program with the identification <u>by checking an</u>

26   <u>amount of unused resource capability currently available</u>; and

27   program transmitting means for transmitting to the receiving apparatus the

28   program with the identification when the judging means judges that the receiving apparatus can

29   execute the program.

1   2.   (Currently Amended) A download system including (a) a receiving apparatus for

2   receiving and executing a program and (b) a transmitting apparatus for transmitting the program

3   to the receiving apparatus,

4   the receiving apparatus comprising:

5   information generating means for generating receiving apparatus information that

6   indicates a use state of resources held by the receiving apparatus that are necessary for program

7   executions<u>, the use state indicating a current status of each resource being used and each resource</u>

8   <u>not being used</u>;

9   request transmitting means for transmitting to the transmitting apparatus a

10   download request which contains (a) an identification of a download-target program and (b) the

11   generated receiving apparatus information; and

12   program receiving means for receiving a program that is sent from the

13   transmitting apparatus in response to the download request, and

14   the transmitting apparatus comprising:

15   program holding means for holding a plurality of programs and identifications

16   thereof, the plurality of programs achieving basically the same function and requiring resources

17   that satisfy different conditions;

18   resource information holding means for holding a plurality of pieces of resource

19   information which correspond to the plurality of programs on a one-to-one basis and each

20   indicate resources necessary for an execution of a corresponding program;

21   request receiving means for receiving the download request from the receiving

22   apparatus;

23   judging means for judging, from (a) two or more pieces of resource information

24   corresponding to two or more programs that have the identification contained in the download

25   request, among the plurality of programs and (b) the receiving apparatus information contained

26   in the download request, whether the receiving apparatus can execute the two or more programs

27   by checking an amount of unused resource capability currently available; and

28   program transmitting means for transmitting to the receiving apparatus a program

29   that the judging means judges the receiving apparatus can execute.

1   3.   (Original) The download system of Claim 2, wherein

2   when judging that the receiving apparatus can execute any of at least two

3   programs among the two or more programs, the judging means selects one out of the at least two

4   programs, and

5   the program transmitting means transmits the selected program to the receiving

6   apparatus.

1   4.   (Original) The download system of Claim 2, wherein

2   when the judging means judges that the receiving apparatus can execute any of at

3   least two programs among the two or more programs, the program transmitting means transmits

4   to the receiving apparatus at least two pieces of characteristic information that each indicate

5   characteristics at an execution of a corresponding one of the at least two programs, receives a

6   selection result which is sent from the receiving apparatus in response to the at least two pieces

7   of characteristic information, and transmits a program corresponding to the selection result to the

8   receiving apparatus, and

9   the receiving apparatus further comprising:

10   selection receiving means for presenting to a user the at least two pieces of

11   characteristic information received from the program transmitting means, allowing the user to

12   select one among the at least two pieces of characteristic information, and receiving a selection

13   result from the user; and

14   selection result notifying means for notifying the transmitting apparatus of the

15   selection result.

1   5.   (Currently Amended) A download system including (a) a receiving apparatus for

2   receiving and executing a program and (b) a transmitting apparatus for transmitting the program

3   to the receiving apparatus,

4   the transmitting apparatus comprising:

5   program holding means for holding one or more programs and identifications

6   thereof;

7   resource data holding means for holding one or more pieces of resource data

8 which correspond to the one or more programs on a one-to-one basis and each define resources

9 necessary for an execution of a corresponding program;

10   request receiving means for receiving either a resource data request or a program

11 request from the receiving apparatus; and

12   transmitting means for either (a) reading from the resource data holding means a

13 piece of resource data corresponding to an identification contained in the received resource data

14 request and transmitting the read piece of resource data to the receiving apparatus, or (b) reading

15 from the program holding means a program corresponding to an identification contained in the

16 received program request, and transmitting the read program to the receiving apparatus, and

17   the receiving apparatus comprising:

18   first request transmitting means for transmitting to the transmitting apparatus the

19 resource data request that contains the identification of a download-target program;

20   resource data receiving means for receiving the piece of resource data sent from

21 the transmitting apparatus in response to the resource data request;

22   judging means for judging from the piece of resource data whether the receiving

23 apparatus can execute the download-target program <u>by checking an amount of unused resource</u>

24 <u>capability currently available</u>;

25   second request transmitting means for, when the judging means judges that the

26 receiving apparatus can execute the download-target program, transmitting the program request

27 containing the identification of the download-target program; and

28   program receiving means for receiving a program that is sent from the

29 transmitting apparatus in response to the program request.

1   6.   (Original) The download system of Claim 5, wherein

2   the one or more pieces of resource data held by the resource data holding means

3   are resource acquisition scripts used for acquiring resources necessary for executions of

4   corresponding programs, and

5   the judging means judges from a result of a provisional execution of a resource

6   acquisition script received from the transmitting apparatus whether the receiving apparatus can

7   execute the download-target program.

1   7.   (Original) A download system including (a) a receiving apparatus for receiving

2   and executing a program and (b) a transmitting apparatus for transmitting the program to the

3   receiving apparatus,

4   the transmitting apparatus comprising:

5   program holding means for holding one or more programs and identifications

6   thereof;

7   check script holding means for holding one or more check scripts which

8   correspond to the one or more programs and are each used to check whether the receiving

9   apparatus has either of a device function and an embedded-program function that is necessary for

10   an execution of a corresponding program;

11   request receiving means for receiving either a check script request or a program

12   request from the receiving apparatus; and

13   transmitting means for either (a) reading from the check script holding means a

14   check script corresponding to an identification contained in the received check script request and

15   transmitting the read check script to the receiving apparatus, or (b) reading from the program

16   holding means a program corresponding to an identification contained in the received program

17   request, and transmitting the read program to the receiving apparatus, and

18   the receiving apparatus comprising:

19   first request transmitting means for transmitting to the transmitting apparatus the

20   check script request that contains the identification of a download-target program;

21   check script receiving means for receiving the check script sent from the

22   transmitting apparatus in response to the check script request;

23   judging means for judging from a result of an execution of the received check

24   script whether the receiving apparatus can execute the download-target program;

25   second request transmitting means for, when the judging means judges that the

26   receiving apparatus can execute the download-target program, transmitting the program request

27   containing the identification of the download-target program; and

28   program receiving means for receiving a program that is sent from the

29   transmitting apparatus in response to the program request.

1   8.   (Currently Amended) A receiving apparatus for receiving and executing a

2   program in a download system which also includes a transmitting apparatus for transmitting the

3   program to the receiving apparatus, the receiving apparatus comprising:

4   information generating means for generating receiving apparatus information that

5   indicates a use state of resources held by the receiving apparatus that are necessary for program

6   executions, the use state indicating a current status of each resource being used and each resource

7   not being used;

8   request transmitting means for transmitting to the transmitting apparatus a

9   download request which contains (a) an identification of a download-target program and (b) the

10 generated receiving apparatus information; and

11   program receiving means for receiving a program that is sent from the

12 transmitting apparatus in response to the download request.

1   9.   (Currently Amended) A receiving apparatus for receiving and executing a

2 program in a download system which also includes a transmitting apparatus for transmitting the

3 program to the receiving apparatus, the transmitting apparatus holding a plurality of programs

4 and identifications thereof, the plurality of programs achieving basically the same function and

5 requiring resources that satisfy different conditions, the receiving apparatus comprising:

6   information generating means for generating receiving apparatus indicates a use

7 state of resources held by the receiving apparatus that are necessary for program executions, the

8 use state indicating a current status of each resource being used and each resource not being

9 used;

10   request transmitting means for transmitting to the transmitting apparatus a

11 download request which contains (a) an identification of a download-target program by checking

12 an amount of unused resource capability currently available and (b) the generated receiving

13 apparatus information;

14   selection receiving means for presenting to a user a plurality of pieces of

15 characteristic information that are received from the transmitting apparatus and each indicate

16 characteristics at an execution of a corresponding one of a plurality of programs having the

17   identification contained in the download request, allowing the user to select one among the

18   plurality of pieces of characteristic information, and receiving a selection result from the user;

19   selection result notifying means for notifying the transmitting apparatus of the

20   selection result; and

21   program receiving means for receiving a program that corresponds to the

22   selection result and is sent from the transmitting apparatus.

1   10.   (Currently Amended) A receiving apparatus for receiving and executing a

2   program in a download system which also includes a transmitting apparatus for transmitting the

3   program to the receiving apparatus, the receiving apparatus comprising:

4   first request transmitting means for transmitting to the transmitting apparatus the

5   resource data request that contains the identification of a download-target program;

6   resource data receiving means for receiving the piece of resource data sent from

7   the transmitting apparatus in response to the resource data request;

8   judging means for judging from the piece of resource data whether the receiving

9   apparatus can execute the download-target program <u>by checking an amount of unused resource</u>

10   <u>capability currently available</u>;

11   second request transmitting means for, when the judging means judges that the

12   receiving apparatus can execute the download-target program, transmitting the program request

13   containing the identification of the download-target program; and

14   program receiving means for receiving a program that is sent from the

15   transmitting apparatus in response to the program request.

1   11.   (Original) The receiving apparatus of Claim 10, wherein

2   the piece of resource data received by the resource data receiving means is a

3   resource acquisition script used for acquiring resources necessary for an execution of a

4   corresponding program, and

5   the judging means judges from a result of a provisional execution of the resource

6   acquisition script received from the transmitting apparatus whether the receiving apparatus can

7   execute the download-target program.

1   12.   (Original) A receiving apparatus for receiving and executing a program in a

2   download system which also includes a transmitting apparatus for transmitting the program to

3   the receiving apparatus, the receiving apparatus comprising:

4   first request transmitting means for transmitting to the transmitting apparatus a

5   check script request that contains an identification of a download-target program;

6   check script receiving means for receiving a check script sent from the

7   transmitting apparatus in response to the check script request;

8   judging means for judging from a result of an execution of the received check

9   script whether the receiving apparatus can execute the download-target program;

10   second request transmitting means for, when the judging means judges that the

11   receiving apparatus can execute the download-target program, transmitting the program request

12   containing the identification of the download-target program; and

13   program receiving means for receiving a program that is sent from the

14   transmitting apparatus in response to the program request.

1   13.   (Currently Amended) A transmitting apparatus that transmits a program to a

2   receiving apparatus that receives and executes the program, the transmitting apparatus and the

3   receiving apparatus being included in a download system, the transmitting apparatus comprising:

4   program holding means for holding one or more programs and identifications

5   thereof;

6   resource information holding means for holding one or more pieces of resource

7   information which correspond to the one or more programs on a one-to-one basis and each

8   indicate resources necessary for an execution of a corresponding program;

9   request receiving means for receiving a download request from the receiving

10   apparatus;

11   judging means for judging, from (a) a piece of resource information

12   corresponding to one of the one or more programs with an identification contained in the

13   download request and (b) receiving apparatus information contained in the download request,

14   whether the receiving apparatus can execute the program with the identification <u>by checking an</u>

15   <u>amount of unused resource capability currently available</u>; and

16   program transmitting means for transmitting to the receiving apparatus the

17   program with the identification when the judging means judges that the receiving apparatus can

18   execute the program.

1   14.   (Currently Amended) A transmitting apparatus that transmits a program to a

2   receiving apparatus that receives and executes the program, the transmitting apparatus and the

3   receiving apparatus being included in a download system, the transmitting apparatus comprising:

4   program holding means for holding a plurality of programs and identifications

5   thereof, the plurality of programs achieving basically the same function and requiring resources

6   that satisfy different conditions;

7   resource information holding means for holding a plurality of pieces of resource

8   information which correspond to the plurality of programs on a one-to-one basis and each

9   indicate resources necessary for an execution of a corresponding program;

10   request receiving means for receiving a download request from the receiving

11   apparatus;

12   judging means for judging, from (a) two or more pieces of resource information

13   corresponding to two or more programs that have an identification contained in the download

14   request, among the plurality of programs and (b) receiving apparatus information contained in

15   the download request, whether the receiving apparatus can execute the two or more programs,

16   and when judging that the receiving apparatus can execute any of at least two programs among

17   the two or more programs by checking an amount of unused resource capability currently

18   available, selecting one out of the at least two programs; and

19   program transmitting means for transmitting the program selected by the judging

20   means to the receiving apparatus.

1   15.   (Cancelled)

1   16.   (Original) The transmitting apparatus of Claim 15, wherein

2   the one or more pieces of resource data held by the resource data holding means

3   are resource acquisition scripts used for acquiring resources necessary for executions of

4   corresponding programs.

1   17.   (Original) A transmitting apparatus that transmits a program to a receiving

2   apparatus that receives and executes the program, the transmitting apparatus and the receiving

3   apparatus being included in a download system, the transmitting apparatus comprising:

4   program holding means for holding one or more programs and identifications

5   thereof;

6   check script holding means for holding one or more check scripts which

7   correspond to the one or more programs and are each used to check whether the receiving

8   apparatus has either of a device function and an embedded-program function that is necessary for

9   an execution of a corresponding program;

10   request receiving means for receiving either a check script request or a program

11   request from the receiving apparatus; and

12   transmitting means for either (a) reading from the check script holding means a

13   check script corresponding to an identification contained in the received check script request and

14   transmitting the read check script to the receiving apparatus, or (b) reading from the program

15   holding means a program corresponding to an identification contained in the received program

16   request, and transmitting the read program to the receiving apparatus.